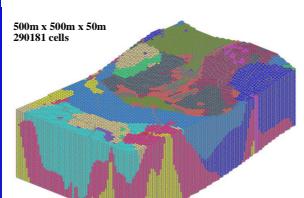
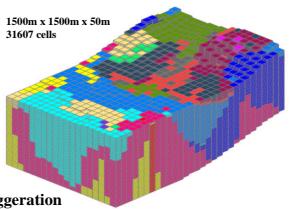
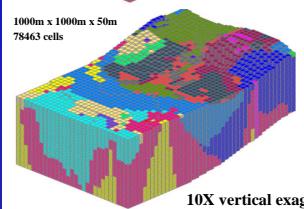


Orthogonal (finite difference) Mesh Generation



Regular grids sample a single stratigraphic framework at different resolutions. The computational grid resolution is independent of the stratigraphic framework model.

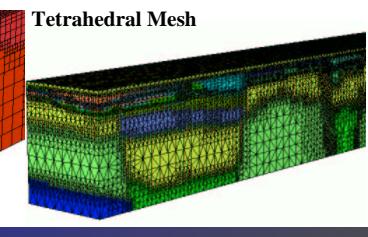
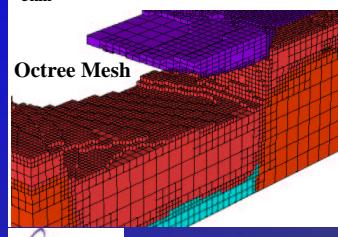
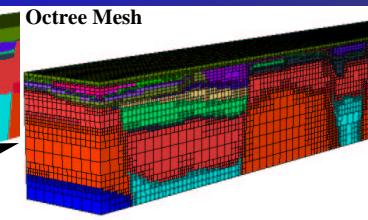
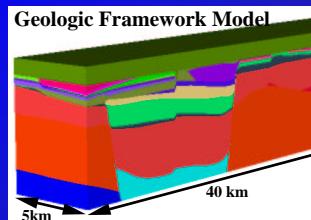


10X vertical exaggeration



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Example: Nevada Test Site, Basin & Range



Los Alamos
NATIONAL LABORATORY

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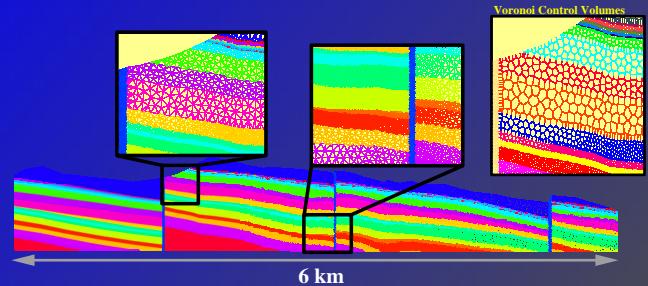
Stratigraphic Units Offset by Faults

66984 nodes

78312 elements

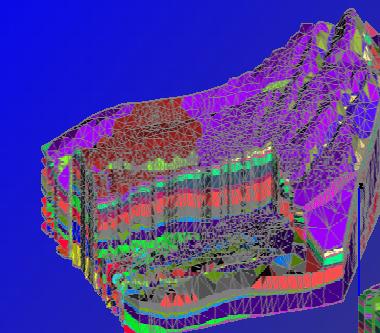
28 materials

Delaunay with all boundary and interface triangles non-obtuse

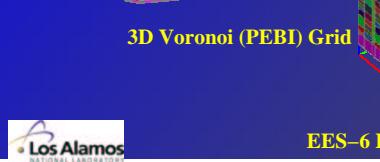


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Example: 3D Tetrahedral Mesh



3D Unstructured Tetrahedral Grid with 28 Stratigraphic Units and Multiple Fault Blocks



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